

Practice: 391 - Riparian Forest Buffer
Scenario # 1 Riparian Forest Buffer Establishment

Scenario Description: **Missouri**

Establish a buffer of trees and/or shrubs into a suitably prepared site to restore riparian plant communities and associated benefits. The buffer will be located adjacent to and up-gradient from a watercourse or water body and extend the minimum required width. Where the state conservation practice standard refers to 612 Tree/Shrub Establishment for all tree establishments, this payment is for the foregone income for land removed from crop production where buffer is installed. Refer to associated practices; 612 Tree/Shrub Establishment for the tree planting and 490 Tree/Shrub Site Preparation. Additional associated practices may include: 315 Herbaceous Weed Control, 660 Tree/Shrub Pruning, 484 Mulching

Before Practice Situation:

Typical sites include former riparian forests and habitat used for forage, cropland, speculation property, or other nonforest condition which contains undesirable amounts or types of vegetation. Active bank erosion is depositing sediment, nutrients and organics in the riparian area. Water temperature is high due to lack of shade. Habitat is not desirable for wildlife.

After Practice Situation:

A buffer of trees and shrubs will be established along the riparian corridor which will provide stability, filtration, shade, and desirable habitat to address the resource concerns of Soil Erosion - excessive bank erosion; Water Quality - excess sediment and organics in surface waters and elevated temperature; Degraded Plant Condition - inadequate structure and composition; and Inadequate Habitat for Fish and Wildlife - habitat degradation.

Scenario Feature Measure:

Area of planting

Scenario Typical Size:	5	Acre	Tot Unit Cost	\$389.06
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Forgone Income	FI, Corn Dryland	2.5	Acre	\$392.59	\$981.48
Forgone Income	FI, Soybeans Dryland	2.5	Acre	\$385.53	\$963.83

Total Cost: \$1,945.30

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQUIP-NOI	\$291.80	EQUIP-HUNOI	\$350.15
WHIP	\$194.53	WHIP-HU	\$291.80
EQUIP-CCPI	\$194.53	EQUIP-HUCCPI	\$291.80
EQUIP-MRBI	\$291.80	EQUIP-HUMRBI	\$350.15
WHIP-MRBI	\$291.80	WHIP-HUMRBI	\$350.15